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TITLE: METHOD FOR ADJUSTING PERFORMANCE OF
PRINTHEAD BY INK VISCOSITY ADJUSTMENT
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ABSTRACT:

PURPOSE: To increase a small droplet stability in a pen by adjusting a viscosity of a fluid to be injected, and controlling an attenuation amount at a supply port of an ink jet printhead.

CONSTITUTION: Many nozzles 12 are disposed in recesses of individual

recesses 13 of a nozzle plate 10, and an ink 14 is injected from a resistor toward a printing medium via a nozzle of a specific disposition. The one resistor is attached to the each nozzle 12, and the ink is supplied to a feeding chamber. When a pulse-like energy is received from an external supply source, the resistor 18 is heated to a sufficient level of injecting the ink 14 droplet to the medium. Here, a barrier layer 20 made of a 'Vacrel' and the plate 10 made of a gold plating nickel are used for the printhead. Thus, as the ink viscosity is increased, drop stability of the pin is improved.

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